

## WEST Search History

DATE: Thursday, September 11, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L11	L10 saME (sigma adj factor)	14	L11
L10	(coryneform or corynebacterium or glutamicum)	11971	L10
L9	l7 and (coryneform or corynebacterium or glutamicum)	66	L9
L8	L6 same bacteri\$	192	L8
L7	L6 and bacteri\$	323	L7
L6	sigma adj factor	362	L6
L5	L3 and bacteri\$	5	L5
L4	L3 and (coryneform or corynebacterium or glutamicum)	2	L4
L3	L2 or l1	293	L3
L2	sigma adj factor adj c	2	L2
L1	sigc	293	L1

END OF SEARCH HISTORY

## STN Search Summary

=&gt; d his

FILE 'CAPLUS' ENTERED AT 14:48:04 ON 11 SEP 2003

L1 2251 S SIGMA (W) FACTOR  
 L2 243 S L1 AND REVIEW/DT  
 L3 0 S L2 AND (CORYNE? OR BREVIBACTERI?)  
 L4 120 S L2 AND BACTERI?  
 L5 5707 S SIGC OR SIGD OR SIGE OR SIGM  
 L6 1 S L4 AND L5  
 L7 77 S L1 AND L5  
 L8 4 S L7 AND (CORYNE? OR BREVIBACTER?)  
 L9 7881 S L5 OR L1  
 L10 19 S L9 AND (CORYNE? OR BREVIBACT?)  
 L11 15 S L10 NOT L8

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:172101 CAPLUS  
 TI Sequence of sigM gene from corynebacteria and use  
 thereof in synthesis of L-lysine  
 IN Bathe, Brigitte; Bastuck, Christine; Farwick, Mike; Hermann, Thomas;  
 Pfefferle, Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 42 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002018599	A1	20020307	WO 2001-EP9972	20010830
	DE 10136984	A1	20020418	DE 2001-10136984	20010728
	AU 2001089850	A5	20020313	AU 2001-89850	20010830
	US 2002106755	A1	20020808	US 2001-942935	20010831
PRAI	DE 2000-10043337	A	20000902		
	DE 2001-10136984	A	20010728		
	WO 2001-EP9972	W	20010830		

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:172091 CAPLUS  
 TI Sequence of sigC gene from corynebacteria and use  
 thereof in synthesis of L-lysine  
 IN Bathe, Brigitte; Hans, Stephan; Farwick, Mike; Hermann, Thomas; Pfefferle,  
 Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 40 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002018589	A2	20020307	WO 2001-EP9163	20010808
	DE 10133426	A1	20020314	DE 2001-10133426	20010710
	AU 2001093740	A5	20020313	AU 2001-93740	20010808
	EP 1320543	A2	20030625	EP 2001-974138	20010808
	US 2002146782	A1	20021010	US 2001-941936	20010830
PRAI	DE 2000-10043332	A	20000902		
	DE 2001-10133426	A	20010710		
	WO 2001-EP9163	W	20010808		

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:171940 CAPLUS  
 TI Sequence of sigE gene from corynebacteria and use thereof in synthesis of L-lysine  
 IN Moeckel, Bettina; Hermann, Thomas; Farwick, Mike; Binder, Michael; Pfefferle, Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 45 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002018428	A2	20020307	WO 2001-EP8146	20010714
	WO 2002018428	A3	20020606		
	DE 10126422	A1	20020314	DE 2001-10126422	20010531
	AU 2001085843	A5	20020313	AU 2001-85843	20010714
	EP 1320616	A2	20030625	EP 2001-965132	20010714
	US 2002103356	A1	20020801	US 2001-935757	20010824
PRAI	DE 2000-10043336	A	20000902		
	DE 2001-10126422	A	20010531		
	US 2001-295009P	P	20010604		
	WO 2001-EP8146	W	20010714		

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:251845 CAPLUS  
 TI Structure and organization of the rrnD operon of "Brevibacterium lactofermentum": analysis of the 16S rRNA gene  
 AU Amador, Eladio; Castro, Jose M.; Correia, Antonio; Martin, Juan F.  
 SO Microbiology (Reading, United Kingdom) (1999), 145(4), 915-924

L11 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:673430 CAPLUS  
 TI Promoters of Corynebacterium glutamicum  
 AU Patek, Miroslav; Nesvera, Jan; Guyonvarch, Armel; Reyes, Oscar; Leblon, Gerard  
 SO Journal of Biotechnology (2003), 104(1-3), 311-323

L11 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:586275 CAPLUS  
 TI Cloning, characterisation and phylogenetic analysis of the sigA .sigma.70 factor gene sequence from the actinomycete Frankia  
 AU Blaha, D.; Cournoyer, B.  
 SO Plant and Soil (2003), 254(1), 97-106

L11 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:511487 CAPLUS  
 TI Use of sigA gene variants of Corynebacterium glutamicum for improved yields of lysine in fermentation  
 IN Bathe, Brigitte; Hans, Stephan; Kreutzer, Caroline; Pfefferle, Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 49 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003054179	A1	20030703	WO 2002-EP11561	20021016
	DE 10162729	A1	20030703	DE 2001-10162729	20011220
PRAI	DE 2001-10162729	A	20011220		

L11 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:839270 CAPLUS  
 TI The *Brevibacterium flavum* sigma factor SigB  
 has a role in the environmental stress response  
 AU Halgasova, Nora; Bukovska, Gabriela; Ugorcakova, Jana; Timko, Jozef;  
 Kormanec, Jan  
 SO FEMS Microbiology Letters (2002), 216(1), 77-84

L11 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:663152 CAPLUS  
 TI Cloning and transcription characterization of two sigma  
 factor genes, sigA and sigB, from *Brevibacterium flavum*  
 AU Halgasova, Nora; Bukovska, Gabriela; Timko, Jozef; Kormanec, Jan  
 SO Current Microbiology (2001), 43(4), 249-254

L11 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:64126 CAPLUS  
 TI Stationary-phase related .sigma. factor (katF gene)  
 defect in microorganism for enhanced L-amino acid production  
 IN Kimura, Eiichiro; Ito, Hisao; Kurahashi, Osamu  
 PA Ajinomoto Co., Inc., Japan  
 SO PCT Int. Appl., 21 pp.

LA Japanese  

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2001005939	A1	20010125	WO 2000-JP4775	20000714
	JP 2003204788	A2	20030722	JP 1999-205269	19990719
PRAI	JP 1999-205269	A	19990719		

L11 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1997:511416 CAPLUS  
 TI Transcriptional analysis of the sigA and sigB genes of  
*Brevibacterium lactofermentum*  
 AU Oguiza, Jose A.; Marcos, Ana T.; Martin, Juan F.  
 SO FEMS Microbiology Letters (1997), 153(1), 111-117

L11 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1996:36160 CAPLUS  
 TI Multiple sigma factor genes in *Brevibacterium*  
*lactofermentum*: characterization of sigA and sigB  
 AU Oguiza, Jose A.; Marcos, Ana T.; Malumbres, Marcos; Martin, Juan F.  
 SO Journal of Bacteriology (1996), 178(2), 550-53

L11 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1995:978371 CAPLUS  
 TI Genomic organization of the mycobacterial sigma gene cluster  
 AU Doukhan, Laurence; Predich, Mima; Nair, Gopalan; Dussurget, Olivier;  
 Mandic-Mulec, Ines; Cole, Stewart T.; Smith, Douglas R.; Smith, Issar  
 SO Gene (1995), 165(1), 67-70